

**Montana Board of Oil and Gas Conservation
Environmental Assessment**

Operator: Robinson Oil Company, LLC
Well Name/Number: Kinyon 14-2
Location: SE NW Section 14 T32N R2E
County: Toole MT; Field (or Wildcat) Devon

Air Quality

(possible concerns)

Long drilling time: No, 3 to 4 days drilling time, if drilled to the Madison.

Unusually deep drilling (high horsepower rig): No, single derrick drilling rig to drill to 1950' TD.

Possible H2S gas production: Slight, possible if drilled to the Madison.

In/near Class I air quality area: No Class I air quality area.

Air quality permit for flaring/venting (if productive): Yes, DEQ air quality permit required under rule 75-2-211.

Mitigation:

- ☐ Air quality permit (AQB review)
- ☐ Gas plants/pipelines available for sour gas
- ☐ Special equipment/procedures requirements
- ☐ Other: _____

Comments: No special concerns – using small rig to drill to 1950' TD. Gas gathering and compression close by.

Water Quality

(possible concerns)

Salt/oil based mud: No, freshwater, freshwater mud system, air, air mist.

High water table: No high water table anticipated.

Surface drainage leads to live water: No, closest drainage is an unnamed ephemeral drainage, about 1/8 of a mile to the southwest from this location.

Water well contamination: None, no water wells within a 1 mile radius around this location.

Porous/permeable soils: No, tight bentonite soils.

Class I stream drainage: No Class I stream drainages.

Mitigation:

- ☐ Lined reserve pit
- ☒ Adequate surface casing
- ☐ Berms/dykes, re-routed drainage
- ☐ Closed mud system
- ☐ Off-site disposal of solids/liquids (in approved facility)
- ☐ Other: _____

Comments: 600' of surface casing cemented to surface adequate to protect freshwater zones. Also, air/air mist and/or fresh water mud systems to be used.

Soils/Vegetation/Land Use

(possible concerns)

Stream crossings: No, stream crossings anticipated.
High erosion potential: No high erosion potential. Location will require a small cut, up to 0.7' and small fill, up to 0.2'.
Loss of soil productivity: No, location will be restored after drilling if nonproductive. If productive unused portion of drillsite will be reclaimed.
Unusually large wellsite: No small wellsite, 200'X200' location size required.
Damage to improvements: Slight, surface use is a CRP field.
Conflict with existing land use/values: Slight
Mitigation
☐ Avoid improvements (topographic tolerance)
☐ Exception location requested
☒ Stockpile topsoil
☐ Stream Crossing Permit (other agency review)
☒ Reclaim unused part of wellsite if productive
☐ Special construction methods to enhance reclamation
☐ Other _____
Comments: No special concerns

Health Hazards/Noise

(possible concerns)
Proximity to public facilities/residences: Closest residence is about ¼ of a mile to the south southwest from this location.
Possibility of H2S: Slight if well is drilled to the Madison.
Size of rig/length of drilling time: Small drilling rig/short 3 to 4 days drilling time.
Mitigation:
☒ Proper BOP equipment
☐ Topographic sound barriers
☐ H2S contingency and/or evacuation plan
☐ Special equipment/procedures requirements
☐ Other: _____
Comments: No concerns.

Wildlife/recreation

(possible concerns)
Proximity to sensitive wildlife areas (DFWP identified): None identified.
Proximity to recreation sites: None identified.
Creation of new access to wildlife habitat no
Conflict with game range/refuge management: No
Threatened or endangered Species: Only species identified as threatened or endangered is the Black-footed Ferret. Proposed listing for the Mountain Plover.
Mitigation:
☐ Avoidance (topographic tolerance/exception)
☐ Other agency review (DFWP, federal agencies, DSL)
☐ Screening/fencing of pits, drillsite
☐ Other: _____
Comments: Surface has been farmed in the past and now is a CRP field. No concerns.

Historical/Cultural/Paleontological

(possible concerns)

Proximity to known sites None identified.

Mitigation

☐ avoidance (topographic tolerance, location exception)

☐ other agency review (SHPO, DSL, federal agencies)

☐ Other: _____

Comments: Private surface lands previously cultivated.

Social/Economic

(possible concerns)

☐ Substantial effect on tax base

☐ Create demand for new governmental services

☐ Population increase or relocation

Comments: Existing gas field, Devon Gas Field. No concerns.

Remarks or Special Concerns for this site

Well is a 1950' Madison Formation test

Summary: Evaluation of Impacts and Cumulative effects

Some short term impacts will occur. No long term impacts expected.

I conclude that the approval of the subject Notice of Intent to Drill (does/**does not**) constitute a major action of state government significantly affecting the quality of the human environment, and (does/**does not**) require the preparation of an environmental impact statement.

Prepared by (BOGC): /s/Steven Sasaki

(title:) Chief Field Inspector

Date: July 27, 2010

Other Persons Contacted:

Montana Bureau of Mines and Geology, GWIC website

(Name and Agency)

Toole County water wells.

(subject discussed)

July 27, 2010

(date)

US Fish and Wildlife, Region 6 website

(Name and Agency)

ENDANGERED, THREATENED, PROPOSED AND CANDIDATE SPECIES MONTANA
COUNTIES, Toole County

(subject discussed)

July 27, 2010

(date)

If location was inspected before permit approval:

Inspection date: _____

Inspector: _____

Others present during inspection: _____